

LFEV Status Letter

Week 10 - 4/05/15

LFEV

Team Milestones

VSCADA:

CAN demonstration with VAB-820 computer. CAN simulation demonstrated. Client-server demonstrated. JGB sent to fabrication.

DYNO:

Last week the milestones for the Dyno team were verify the dyno sensors and generate the torque and rpm charts. These were missed due to the dyno not yet be operating. It will be operating this week.

Next week the milestones are to draft the ATR and submit the QA Audit Report.

Task	Member	Status
Draft D006: ATR	Steve	Incomplete
Generate torque and RPM charts	Alex	Incomplete
Implement dyno settings for realistic test conditions	John	Incomplete
Develop simulations of realistic scenarios	Brendan	Incomplete
Verify dynamometer sensors	Nate	Incomplete

TSV:

Last Week, the BoB schematic was revamped to reflect the use of the new AT90CAN microcontroller. Also after some difficulties with DxDesigner and PADS, the schematic was remade in KiCad. Additionally, AMS boards were soldered, the first completed ones should be ready shortly.

Next Week, the BoB routing and ordering will take place. We will be adapting code for our new microcontroller, and the AMS soldering will conclude. We will return the obsolete computers.

GLV:

LAST WEEK

GLV Power: Most of the GLV Power supplies were received. Final parts for the system were ordered. GLV Drawings developed

Safety Circuit: Ordered replacment parts for incorrent relays purchased.

TSI: Precharge circuit simulated on breadboard. PCB layout for precharge circuit.

GLV Hub: Drawings completed

VCI: TSAL Circuit simulated on breadboard. PCB Completed and Approved

NEXT WEEK

GLV Power: QA Test new parts. Basic system assembly

Safety Circuit: Finish Safety Circuit. QA Test circuit.

TSI: Box Drawings. PCB Sent for printing

Side Panel: Assembly

VCI:Box Drawings. PCB Sent for printing

Budget:

Money Spent

Team	Money Spent	Money Remaining
SCADA	\$814	-\$98.86
GLV	\$740.21	\$657.69
DYNO	\$544.88	-\$396.88
TSV	\$2,479.86	\$259.24
Total	\$4,579	\$421

Other Budget Notes:

Most shipping expenses have not been added in yet. Therefore, real money remaining is probably around \$275.

Are we return the computers bought by TSV? This would add about \$600 to budget.

How much money did SCADA spend on the JGB's? This was not ordered through an official purchase form so money has not been included. If this was around \$250, then we are right at the budget limit unless TSV can return the computers.

Action Items:

1. Upload Video/Pictures to the drive at ECE 492 Shared / Management / Videos/Pictures
2. Conference Team
3. Website Long Term/Update
4. CDR Updates